

FIG. 1

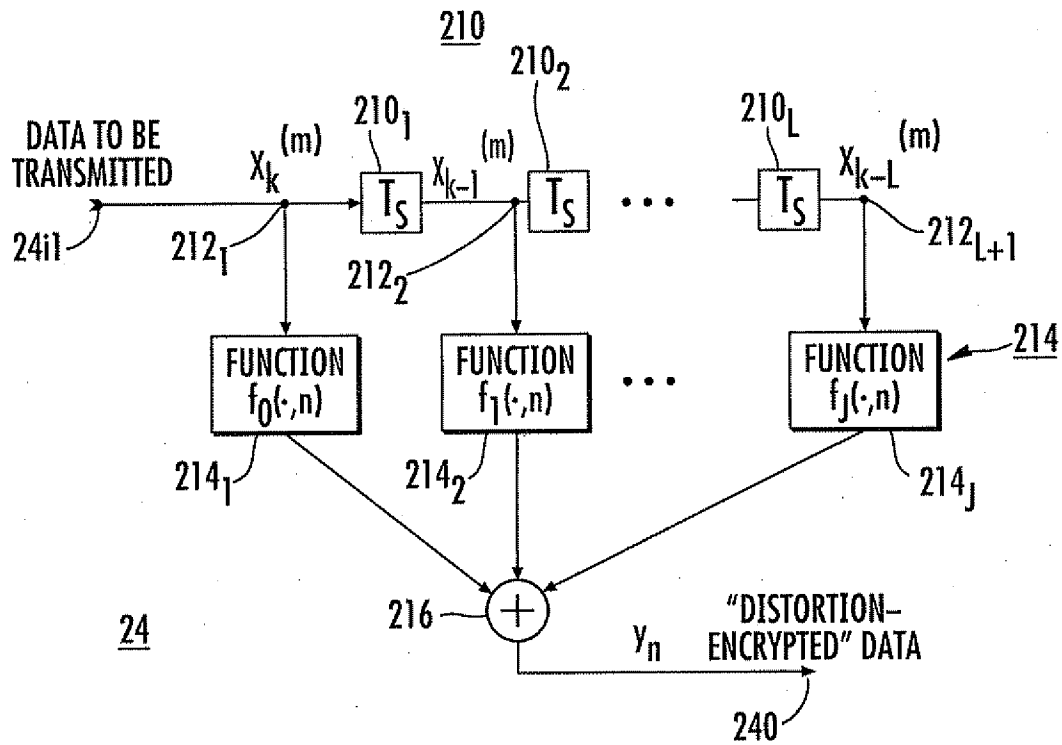


FIG. 2

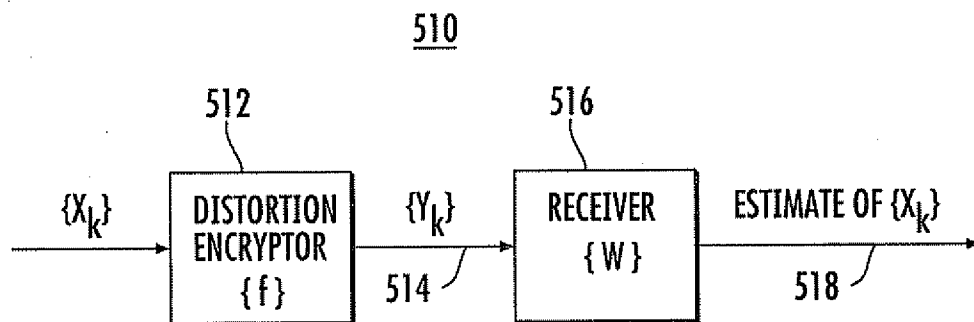


FIG. 5

## INPUT &amp; OUTPUT POWER SPECTRA

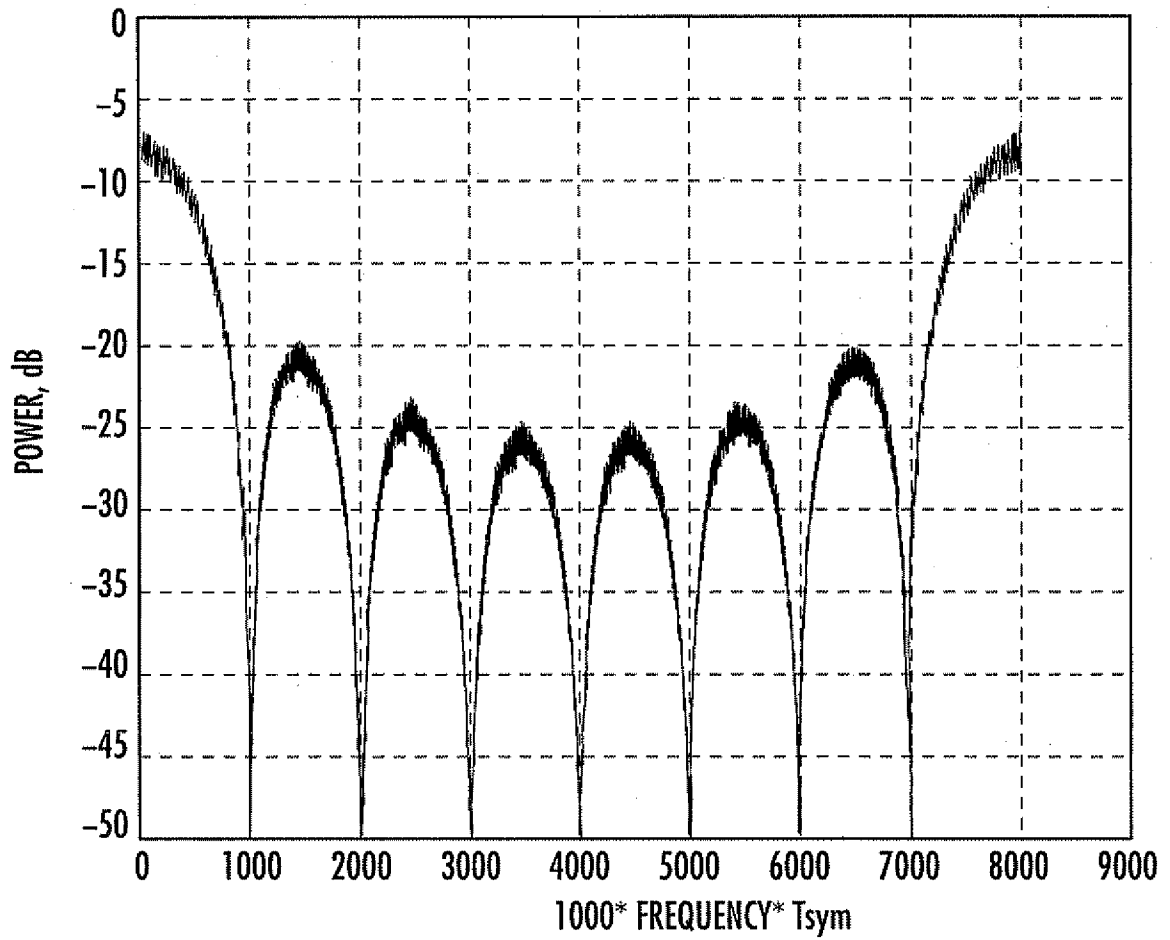


FIG. 4

# REPLACEMENT SHEET

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TABLE 1. SIMULATION RESULTS FOR THE TWO-TAP EXAMPLE.

CASE	RECEIVER TYPE	SYMBOL ERROR PROBABILITY $P_S$
1	1. "MATCHED" VA	0
2	2. "UNMATCHED" VA, WITH CHANNEL COEFFICIENTS $w_0 = 0.8$ , $w_1 = 0.6$ ( ASSUMES A LINEAR DISTORTION)	0.251
3	2. "UNMATCHED" VA, WITH CHANNEL COEFFICIENTS EQUAL TO LS ESTIMATES OVER 100 KNOWN SYMBOLS, $w = [0.8157 - 0.019j, 0.1081 + 0.0402j]$ ( ASSUMES A LINEAR DISTORTION)	0.091
4	3. LINEAR EQ, WITH (3) COEFFICIENTS EQUAL TO LS ESTIMATES OVER 100 KNOWN SYMBOLS, $w = [0.8201 - 0.0166j, 0.114 + 0.0272j, -0.0513 - 0.02264j]$	0.058
5	3. LINEAR EQ, WITH (7) COEFFICIENTS EQUAL TO LS ESTIMATES OVER 100 KNOWN SYMBOLS, $w = [0.8382 - 0.0134j, 0.0964 + 0.0427j, -0.0827 - 0.0399j, -0.0191 - 0.0243j, 0.1069 + 0.0523j, -0.0129 + 0.0910j, 0.0346 - 0.0394j]$	0.18
6	3. LINEAR EQ, WITH (11) COEFFICIENTS EQUAL TO LS ESTIMATES OVER 100 KNOWN SYMBOLS, $w = [0.8372 + 0.0362j, 0.0881 - 0.0258j, -0.0700 + 0.0860j, 0.0001 + 0.0368j, 0.1330 - 0.0748j, -0.0013 - 0.0995j, 0.0405 + 0.0099j, 0.1328 - 0.0366j, 0.0506 + 0.0960j, 0.0420 - 0.0022j, 0.0552 - 0.0444j]$	0.222

FIG. 6

# REPLACEMENT SHEET

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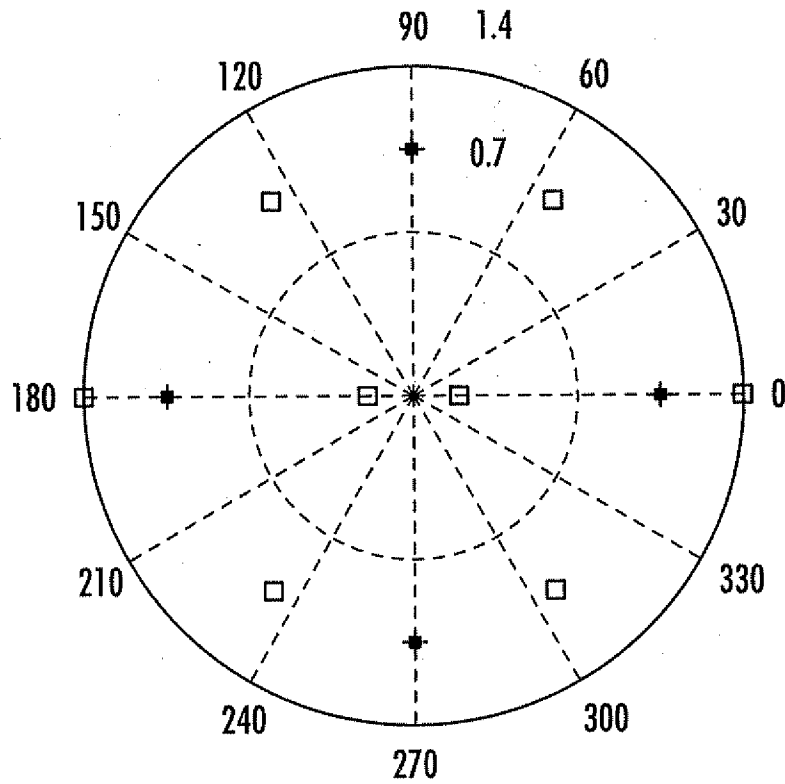


FIG. 3

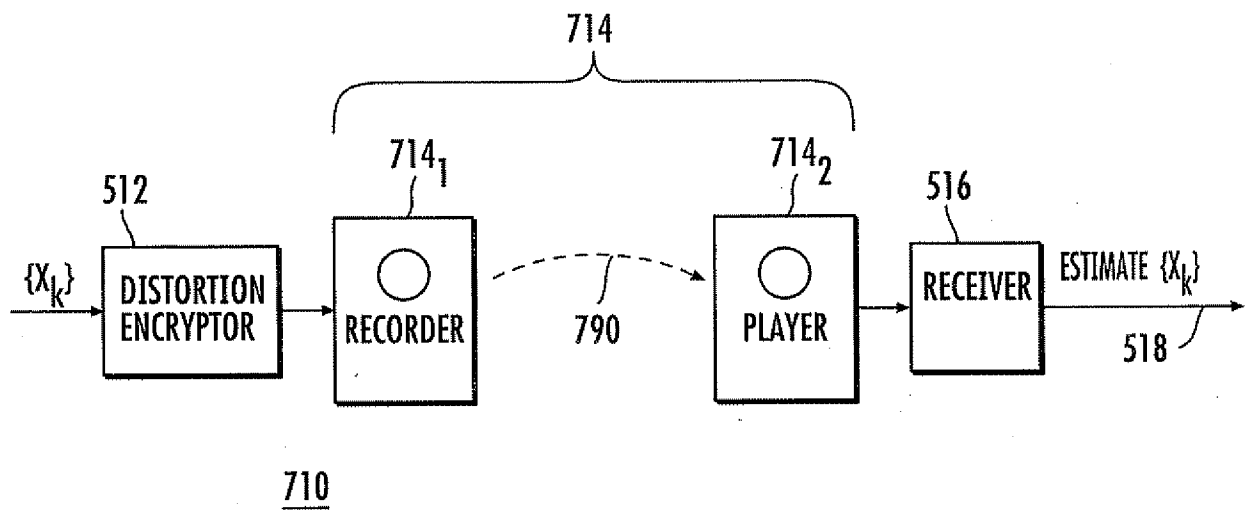


FIG. 7